

YORK RIVER BASIN

01673638 COHOKE MILL CREEK NEAR LESTER MANOR, VA

LOCATION.--Lat 37°37'36", long 76°57'46", King William County, Hydrologic unit 02080106, on right bank at downstream side of culvert on State Highway 626, 3.2 mi northeast of Lester Manor and 4.7 mi above mouth.

DRAINAGE AREA.--9.07 mi².

PERIOD OF RECORD.--October 1998 to current year.

GAGE.--Water stage recorder. Elevation of gage is 40 ft above sea level, from topographic map.

REMARKS.--Records poor due to backwater from beaver dams.

**DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.9	5.0	4.7	e5.0	5.1	7.5	14	4.1	6.0	1.5	5.9	3.5
2	6.7	5.5	5.6	e4.8	4.7	7.2	15	3.9	21	2.1	4.5	3.5
3	6.3	5.4	5.6	e4.6	4.0	7.2	13	3.9	6.8	2.2	4.0	3.1
4	6.1	5.5	5.7	e4.3	3.3	7.8	12	3.4	4.3	2.3	3.6	3.0
5	5.6	5.3	5.9	4.1	10	11	11	3.2	4.2	2.3	3.3	2.9
6	5.7	4.9	6.1	4.1	11	11	10	2.9	7.2	2.4	3.1	2.6
7	5.8	5.3	6.7	4.9	7.8	9.1	10	2.8	27	1.9	2.6	2.5
8	5.2	5.6	6.4	7.0	5.4	8.0	10	2.8	8.5	2.2	2.8	2.5
9	5.4	5.8	6.6	8.0	4.8	6.7	9.6	2.9	4.9	2.5	2.6	2.6
10	5.7	7.3	7.0	4.7	4.6	5.9	9.4	2.8	4.1	2.1	2.7	2.8
11	6.2	6.6	7.8	3.5	3.9	5.9	16	2.9	3.6	2.1	6.6	3.8
12	5.6	6.3	7.9	3.3	3.2	6.1	12	2.7	3.6	1.7	10	3.2
13	5.6	6.1	7.0	3.2	5.1	7.9	11	2.9	3.4	1.7	41	2.5
14	5.6	7.0	8.5	3.5	6.4	7.0	10	2.7	3.3	2.3	41	2.4
15	6.3	7.4	8.4	5.2	6.9	8.2	8.5	2.9	3.3	1.9	10	2.4
16	5.6	6.3	10	4.6	8.5	13	8.2	3.0	14	1.6	7.1	2.4
17	5.8	5.8	12	3.7	17	11	9.7	3.1	12	1.3	5.7	2.5
18	6.0	7.5	11	4.3	14	8.6	9.3	3.1	5.0	1.0	5.6	2.5
19	6.2	8.3	9.9	10	10	6.4	7.7	6.3	3.8	1.1	5.7	2.5
20	6.0	5.6	8.8	19	9.0	6.3	7.0	5.8	2.8	1.0	5.5	2.6
21	6.0	5.7	8.2	17	8.1	16	6.3	8.2	2.6	1.1	5.0	2.6
22	6.1	6.1	8.2	13	7.7	17	6.0	7.2	2.5	1.2	4.8	2.5
23	5.7	6.8	7.7	11	8.6	12	5.5	5.1	3.4	1.1	4.4	2.5
24	6.0	7.1	7.2	9.2	9.5	10	5.3	3.7	3.2	1.0	4.4	2.6
25	6.0	8.6	7.4	8.7	11	9.4	11	3.3	2.8	1.3	4.0	3.2
26	5.3	19	6.5	7.6	12	8.6	8.9	6.7	2.4	1.3	4.0	2.9
27	5.3	9.6	e5.8	7.6	9.8	8.1	6.4	10	2.1	2.6	4.8	2.8
28	5.3	5.5	e5.2	6.3	8.9	8.2	5.1	5.2	2.0	2.8	16	2.7
29	4.9	5.3	e5.0	5.5	---	10	4.2	3.7	1.9	9.4	7.6	2.8
30	4.5	5.7	e5.8	6.5	---	26	3.8	3.0	1.4	13	4.7	3.0
31	4.8	---	e5.6	6.1	---	17	---	2.0	---	8.6	3.8	---
TOTAL	178.2	201.9	224.2	210.3	220.3	304.1	275.9	126.2	173.1	80.6	236.8	83.4
MEAN	5.75	6.73	7.23	6.78	7.87	9.81	9.20	4.07	5.77	2.60	7.64	2.78
MAX	6.9	19	12	19	17	26	16	10	27	13	41	3.8
MIN	4.5	4.9	4.7	3.2	3.2	5.9	3.8	2.0	1.4	1.0	2.6	2.4
CFSM	.63	.74	.80	.75	.87	1.08	1.01	.45	.64	.29	.84	.31
IN.	.73	.83	.92	.86	.90	1.25	1.13	.52	.71	.33	.97	.34

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STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2001, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	4.21	5.13	6.20	7.97	7.49	10.5	8.08	4.90	4.51	3.68	5.57	10.9
MAX	5.75	6.73	7.23	10.8	8.95	13.0	9.20	7.17	6.39	7.29	8.85	20.2
(WY)	2001	2001	2001	1999	2000	1999	2001	2000	2000	2000	2000	1999
MIN	1.68	4.03	4.57	6.33	5.61	8.75	5.97	3.46	1.36	1.16	.21	2.78
(WY)	1999	1999	2000	2000	1999	2000	1999	1999	1999	1999	1999	2001

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR	FOR 2001 WATER YEAR	WATER YEARS 1999 - 2001
ANNUAL TOTAL	2811.7	2315.0	
ANNUAL MEAN	7.68	6.34	
HIGHEST ANNUAL MEAN			6.59
LOWEST ANNUAL MEAN			7.24
HIGHEST DAILY MEAN	27	Sep 3	6.17
LOWEST DAILY MEAN	1.8	Jun 25	2000
ANNUAL SEVEN-DAY MINIMUM	2.8	Jul 8	1999
MAXIMUM PEAK FLOW		a41 Aug 13	415 Sep 16 1999
MAXIMUM PEAK STAGE		b1.0 Jul 18	.01 Aug 12 1999
INSTANTANEOUS LOW FLOW		1.1 Jul 18	.03 Aug 8 1999
ANNUAL RUNOFF (CFSM)	.85	118 Aug 14	1430 Sep 16 1999
ANNUAL RUNOFF (INCHES)	11.53	7.70 Aug 14	c10.30 Sep 16 1999
10 PERCENT EXCEEDS	12	.71 Jul 24	.01 dAug 11 1999
50 PERCENT EXCEEDS	6.7	9.49	.73
90 PERCENT EXCEEDS	4.2	5.6	9.87
		2.5	5.4
			1.6

- a Also Aug. 14, 2001.
 b Also July 20, 24, 2001.
 c From floodmarks.
 d Also Aug. 12, 1999.
 e Estimated.

